

APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

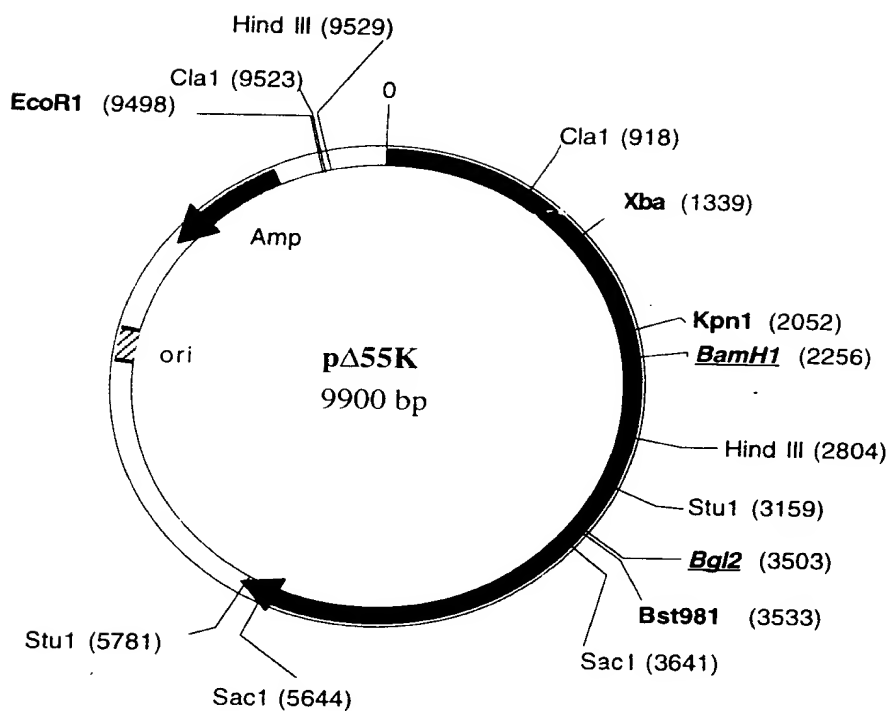


FIGURE 1

O.G. FIG.		SUBCLASS
CLASS		
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66232 T692450

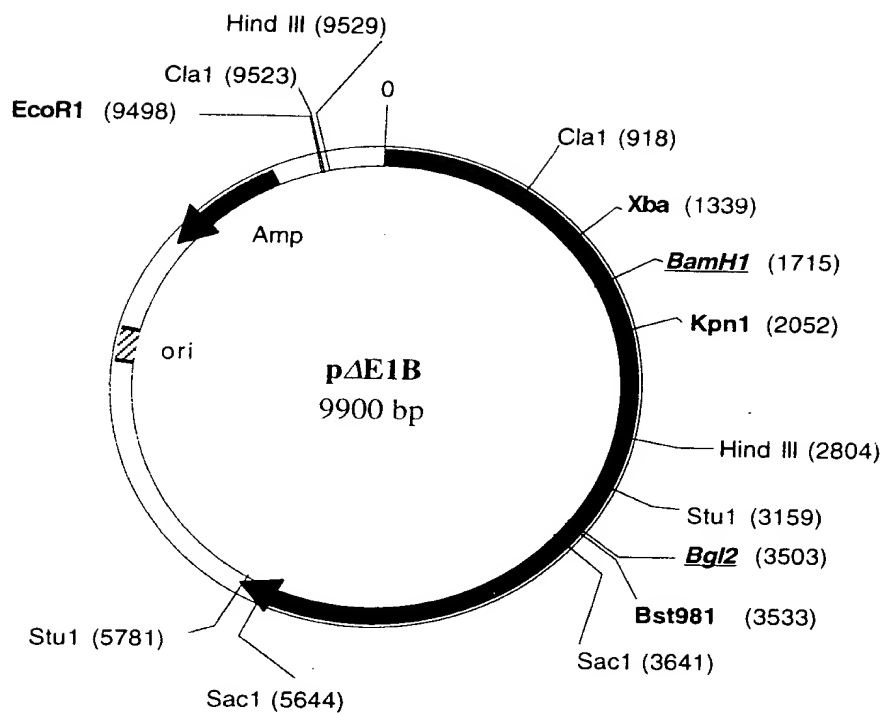


FIGURE 2

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

662327 632460

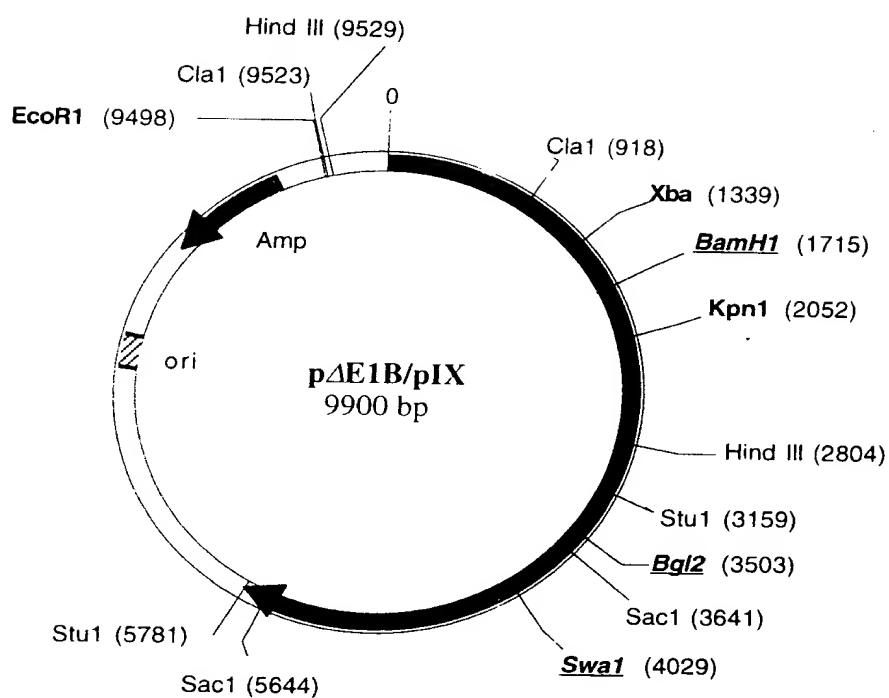


FIGURE 3

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	CLASS	SUBCLASS
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SECRET 7632460

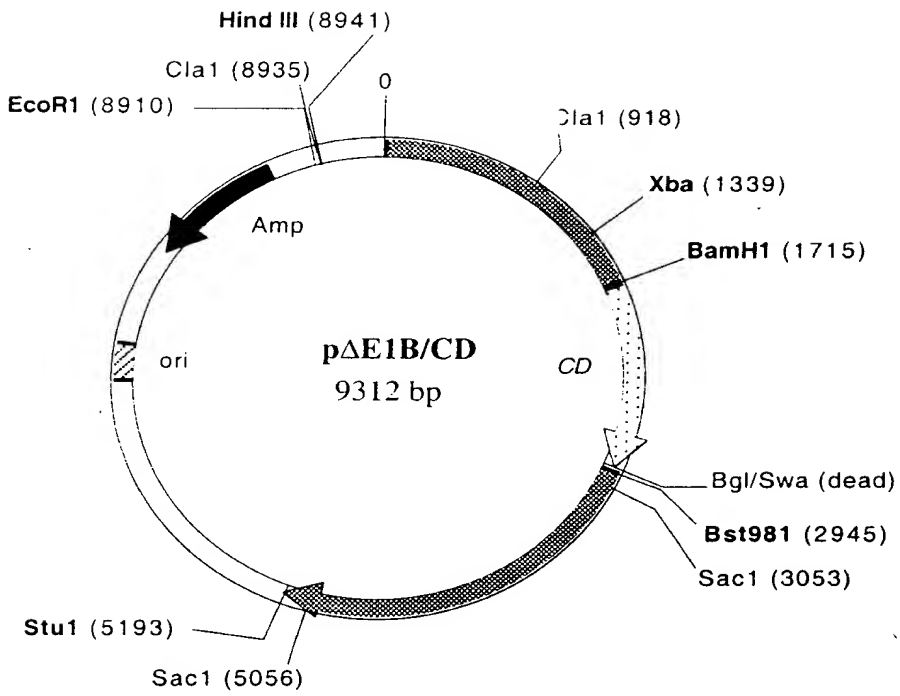


FIGURE 4

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

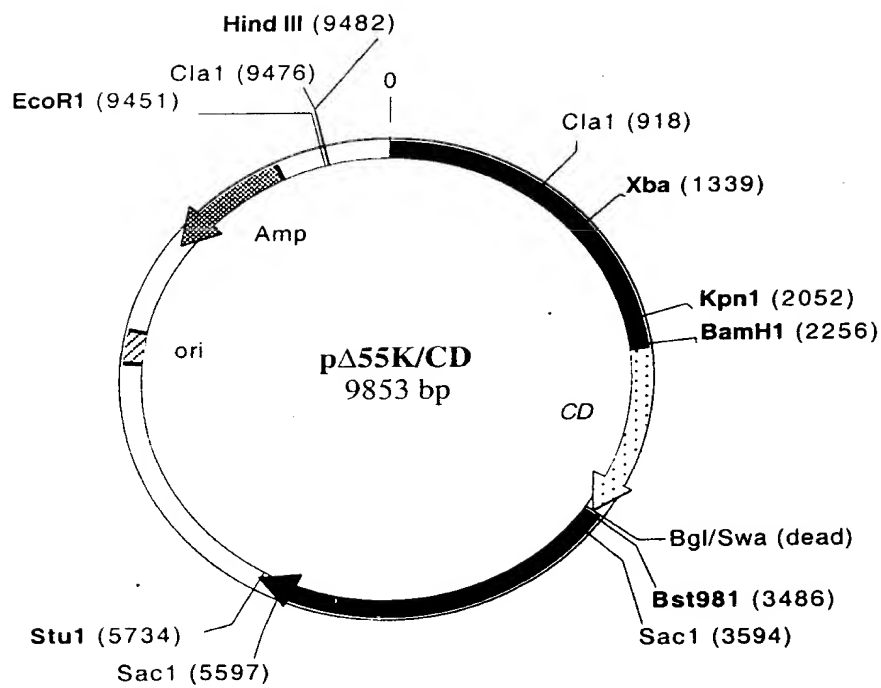
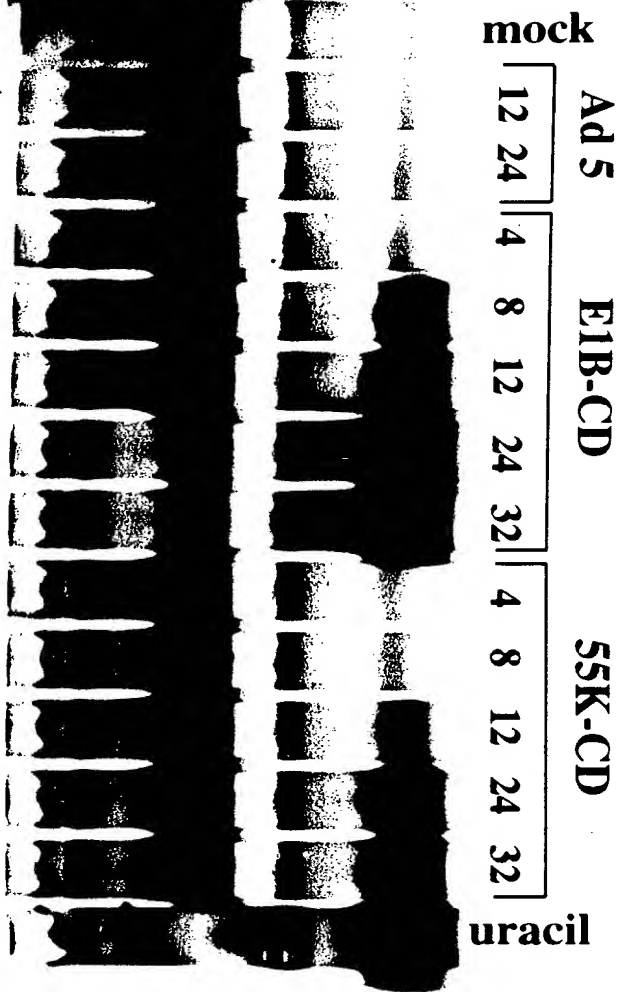


FIGURE 5

SECRET 692460

**Fig. 6**

# **Cytosine Deaminase Assay**

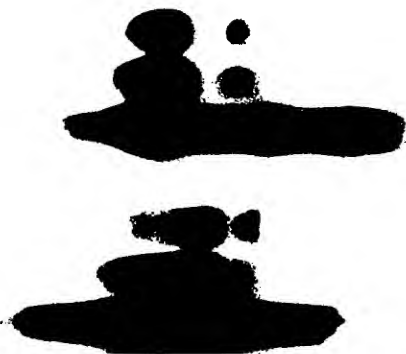


APPROVED		O.G. FIG.	
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**Fig.7a**

**CD Northern**

mock Ad 5 E1B-CD 55K-CD  
4 8 12 24 4 8 12 24 4 8 12 24



**Fig.7b**

**55K Northern**

mock Ad 5 E1B-CD 55K-CD  
4 8 12 24 4 8 12 24 4 8 12 24



APPROVED	O.G. FIG.	
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66227 T632460

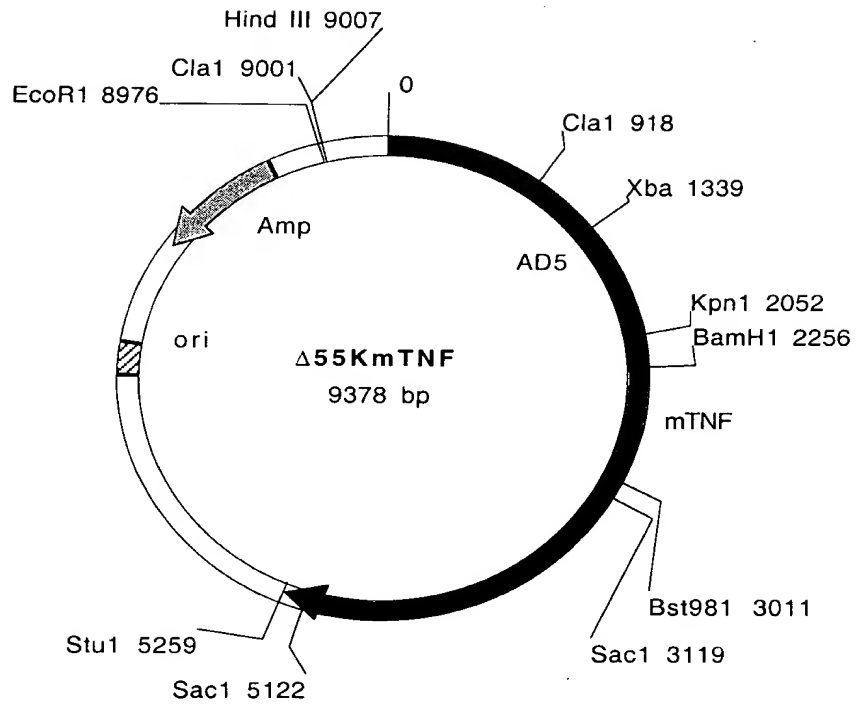


FIGURE 8



APPROVED	O.G. FIG.		
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# mTNF secreted from Onyx-702-infected cells

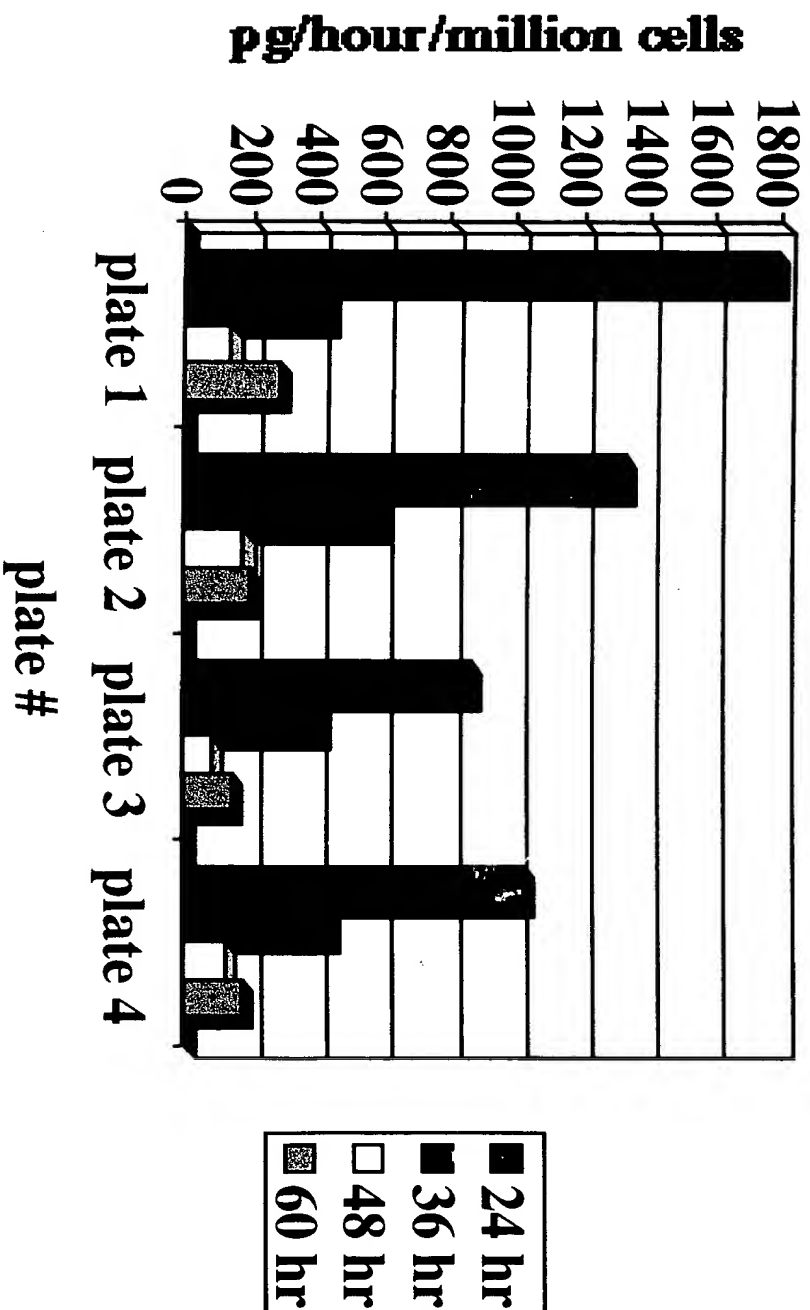
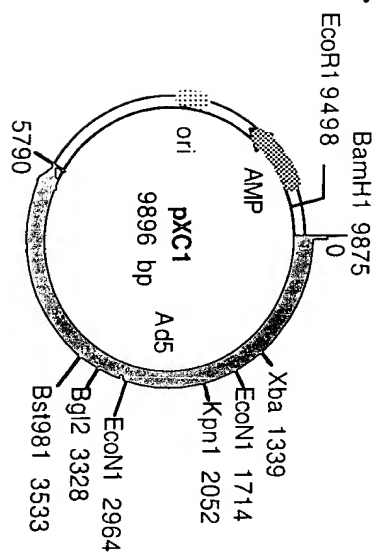


FIGURE 9

I.



B.  $\Delta 55K$

$\Delta$ Bam/BglpXC1



PCR mutagenesis to mutate 55K met



Sequence to confirm met mutation

$\Delta 55Kmet$



Create BamHI site 3' of 19K stop via PCR mutagenesis

$\Delta 55Kmet$  3'Bam



PCR mut w/Xba and Bst981 (has Bgl2 site)  
oligos to create Bgl2 at 3503



Purify Xba/Bst981PCR fragment and  
clone back into  $\Delta$ Bam/BglpXC1

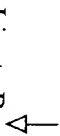
p $\Delta 55K$  shuttle vector

A.  $\Delta E1B$

BamHI/fill in/ligate  
 $\Delta$ Bam/BglpXC1



EcoNI partial/gel purify linear



Ligate BamHI linker

check to make sure at 1715

BamHIpXC1



PCR mut w/Kpn and Bst981 (has Bgl2 site)

oligos to create Bgl2 at 3503



Purify PCR product and cut with Kpn and Bst981



Ligate Kpn/Bst981 PCR product back into BamHIpXC1

p $\Delta E1B$  shuttle vector

FIGURE 10

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